We claim:

1. A connector to connect a sensor to a lead assembly comprising, in combination:

a lead connecting portion for securing the connector to a conductive rivet of the lead assembly;

an extension portion defined by at least one extension arm extending from the lead connecting portion; and

a tab connection portion extending from the extension portion.

2. The connector of claim 1 wherein the connector is constructed of electrically conductive material.

3. The connector of claim 1 wherein the lead connecting portion is configured to connect to a male portion by contacting a portion of a perimeter of a base of the male portion, the male portion configured to insert into a female receptacle of the conductive rivet.

4. The connector of claim 1 wherein the lead connecting portion is defined by semicircular loop.

5. The connector of claim 1 wherein the lead connecting portion is defined by loop.

6. The connector of claim 1 wherein in the lead connecting portion is defined by a male portion integrally formed on the connector, the male portion configured to insert into a female receptacle of the conductive rivet.

7. The connector of claim 1 wherein the tab connection portion is defined by at least one retaining arm, the at least one retaining arm defined by a semi-circular loop.

8. The connector of claim 1 wherein the tab connection portion is defined by at least one retaining arm, the at least one retaining arms defined by a helical loop.

9. The connector of claim 1 wherein the tab connection portion is configured to connect to a tab on the sensor.

10. The connector of claim 1 wherein the tab connection portion is defined by an alligator clip.

11. The connector of claim 10 wherein the alligator clip is integrally formed on the connector.

12. The connector of claim 10 wherein the lead connecting portion is defined by a male portion, the male portion configured to insert into a female receptacle of the conductive rivet.

13. The connector of claim 1 wherein the sensor is configured to detect physiological parameters selected from the group consisting of EKG signals, blood pressure data, temperature readings, pulse, respiration rate data, and pulse oximeter data.